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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known

Application Number	10/525,115
Filing Date	August 31, 2005
First Named Inventor	Martin Hendrix
Art Unit	1624
Examiner Name	Jeffrey H. Murray
Attorney Docket Number	01-2112

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A1	US- 3 155 520	01-1955	SCHMIDT ET AL.	
	A2	US- 5 041 449	08-20-1991	BELLEAU ET AL.	
	A3	US- 5 047 407	09-10-1991	BELLEAU ET AL.	
	A4	US- 5 053 499	10-01-1991	KOJIMA ET AL.	
	A5	US- 5 270 315	12-14-1993	BELLEAU ET AL.	
	A6	US- 5 294 612	03-15-1994	BACON ET AL.	
	A7	US- 5 466 806	11-14-1995	BELLEAU ET AL.	
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	A9	US- 5 563 049	10-08-1996	KOJIMA ET AL.	
	A10	US- 5 684 164	11-04-1997	BELLEAU ET AL.	
	A11	US- 5 750 673	05-12-1998	MARTIN, PIERRE	
	A12	US- 5 948 812	09-07-1999	KRAFT, PHILIP	
	A13	US- 5 969 499	10-19-1999	SHAFFER RANDALL A	
	A14	US- 5 977 332	11-02-1999	MARTIN, PIERRE	
	A15	US- 6 100 037	08-08-2000	PHILLIPS ET AL.	
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	A20	US- 2001 041797	11-15-2001	BELLEAU ET AL.	
	A21	US- 6 831 174	11-15-2001	BELLEAU ET AL.	
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	A23	US- 6 350 753	02-26-2002	BELLEAU ET AL.	
	A24	US- 2002 0586635	05-16-2002	VARMING ET AL.	
	A25	US- 2002 074774	06-20-2002	HSU ET AL.	
	A26	US- 2002 086180	07-04-2002	QIU ET AL.	
	A27	US- 2002 0132754	09-19-2002	BOSS ET AL.	
	A28	US- 6 479 463	11-12-2002	WANG ET AL.	
	A29	US- 2002 16348	11-28-2002	RABINOWITZ ET AL.	
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	A32	US- 2004 185459	09-23-2004	OTSUKA ET AL.	
	A33	US- 2004 220186	11-04-2004	BELL ET AL.	
	A34	US- 2004 254201	12-16-2004	BELLEAU ET AL.	
	A35	US- 7 122 693	12-16-2004	BELLEAU ET AL.	
	A36	US- 2005 209251	09-22-2005	LINKER ET AL.	
	A37	US- 7 022 709	04-04-2006	BOESS ET AL.	

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Sheet 2 of 6

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Application Number 10/525,115
Filing Date August 31, 2005
First Named Inventor Martin Hendrix
Art Unit 1624
Examiner Name Jeffrey H. Murray
Attorney Docket Number 01-2112

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A38	US- 7 737 156	05-11-2006	BOSS ET AL	
	A39	US- 2007 037977	02-15-2007	BELLEAU ET AL	
	A40	US- 2007 0105876	05-10-2007	HENDRIX ET AL	
	A41	US- 2009 121919	05-14-2009	KIHARA ET AL	
	A42	US-7 737 156	06-15-2010	BOESS ET AL	

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	B1	GB- 937 723	09-25-1963	CIBA LTD		
	B2	CH- 396 923	08-15-1965	CIBA GEIGY		C31
	B3	EP-0 286 028	10-12-1988	BOEHRINGER MANNHEIM GMBH		B6
	B4	DE-4 004 558	09-27-1990	SANYO KOKUSAKU PULP CO		A4
	B5	EP-0 496 617	07-29-1992	GENSIA PHARMA		
	B6	CA-1 311 201	12-08-1992	BOEHRINGER MANNHEIM GMBH		
	B7	WO-94 14602	07-07-1994	BELLEAU PIERRETTE & HF		
	B8	WO-94 17803	08-18-1994	GENSIA INC		
	B9	EP-0 626 387	11-30-1994	CIBA GEIGY AG		
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	B11	WO-97 16456	05-09-1997	CHONG KUN DANG CORP		
	B12	WO-97 46569	12-11-1997	CIBA GEIGY AG		
	B13	WO-98 00434	01-08-1998	CIBA GEIGY AG		
	B14	WO-98 16184	04-23-1998	ICN PHARMACEUTICAL S		
	B15	CA-2 283 211	09-17-1998	BAYER AG		
	B16	CA- 2 238 211	12-09-1998	GIVAUDAN ROURE INT		A12
	B17	JP-11-501923	02-16-1999			
	B18	CA-2 357 146	07-13-2000	INCYTE PHARMA INC		

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Filing Date	August 31, 2005
First Named Inventor	Martin Hendrix
Art Unit	1624
Examiner Name	Jeffrey H. Murray
Attorney Docket Number	01-2112

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	B19	WO-2000 043394	07-27-2000	USTAV EX BOTAN AKADEMIE VED GE		
	B20	WO-2001 060315	08-23-2001	IAF BIOCHEM INT		
	B21	JP-2001 514638	09-11-2001	BAYER AG		A17
	B22	WO-2001 077075	10-18-2001	INOTEK CORP		
	B23	WO-2002 09713	02-07-2002	BAYER AG		A37
	B24	WO-2002 16348	02-28-2002	ASTRAZENECA AB		
	B25	WO-2002 057425	07-25-2002	MERCK & CO INC		
	B26	WO-2002 074774	09-25-2002	PFIZER LTD		
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	B28	CA-2 417 631	01-29-2003	BAYER AG		
	B29	WO-2003 022859	03-20-2003	EPOCH BIOSCIENCES INC		
	B30	CA-2 466 824	05-08-2003	PFIZER		
	B31	WO-2003 072757	09-04-2003	BIOTA INC		
	B32	CA-2 484 997	11-13-2003	BAYER CROPSCIENCE AG		
	B33	WO-2004 002999	01-08-2004	IDENIX CAYMAN LTD		
	B34	WO-2004 018474	03-04-2004	BAYER HEALTHCARE AG		
	B35	DE-102 38 722	03-11-2004	BAYER AG		
	B36	WO-2004 026876	04-01-2004	BAYER HEALTHCARE AG		
	B37	WO-2004 026286	04-01-2004	BAYER HEALTHCARE AG		A42
	B38	WO-2004 046331	06-03-2004	IDENIX CAYMAN LTD		
	B39	EP-1 460 077	09-22-2004	JORDANIAN PHARMACEUTICAL MFG		
	B40	JP-2004 536933	12-09-2004	PPG IND OHIO INC		B60
	B41	WO-2004 108139	12-16-2004	AREXIS AB		
	B42	WO-2001 05758	01-25-2005	NPS ALLELIX CORP		
	B43	WO-2005 051944	06-09-2005	UNIV CONNECTICUT		
	B44	JP-2005 531549	10-20-2005	BAYER CROPSCIENCE AG		A36
	B45	JP-2005 501272	01-12-2005	BOEHRINGER INGELHEIM INT		A42
	B46	JP-2005 503051	01-26-2005	BAYER HEALTHCARE AG		
	B47	WO-2005 084281	08-10-2005	MILLENNIUM PHARM INC		

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Sheet **4** of **6**

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Application Number	10/525,115
Filing Date	August 31, 2005
First Named Inventor	Martin Hendrix
Art Unit	1624
Examiner Name	Jeffrey H. Murray
Attorney Docket Number	01-2112

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	B48	WO-2006 091095	08-31-2006	STICHTING ENERGIE IDENIX		
	B49	WO-2007 025043	03-01-2007	PHARMACEUTICAL S INC		
	B50	WO-2007 046747	04-26-2007	ASTRAZENECA AB		
	B51	WO-2008 005542	01-10-2008	GILEAD SCIENCES INC		
	B52	WO-2008 10047	01-24-2008	INST NAT SANTE RECH MED		
	B53	WO-2008 055959	05-15-2008	GALAPAGOS N V		
	B54	WO-2008 100447	08-21-2008	GILEAD SCIENCES INC		
	B55	WO-2008 104077	09-04-2008	METHYLENE INC		
	B56	WO-2008 139293	11-20-2008	PFIZER		
	B57	WO-2009 068617	06-04-2009	BOEHRINGER INGELHEIM INT		
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	B59	WO-2010 112437	10-07-2010	BOEHRINGER INGELHEIM INT		
	B60	WO-2003 011925	02-13-2003	PPG IND OHIO INC		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	BARGER ET AL., "Role of cyclic GMP in the Regulation of Neuronal Calcium and Survival by Secreted Forms of Beta-Amyloid Precursor," J of Neurochem, 1995, Vol. 64, No. 5, pp. 2087-2096	
	C2	BYRN ET AL., Solid State Chemistry of Drugs, 1999, Vol. 2, No. 10, pp. 232-247	
	C3	Chem Abstracts Service, Database Accession No. ALB-H01677136, Database Chemcats, 2007, XP002556399	
	C4	CHENG ET AL., "Potential Purine Antagonists VII. Synthesis of 8-Alkylpyrazolo[3,4-d]pyrimidines" Potential Purine Antagonist VII, 1958, Vol. 23, pp. 191-200	
	C5	DOERWALD ET AL., "Side reactions in organic synthesis," A Guide to Successful Synthesis Design, 2005, 4 pages	
	C6	EBERT ET AL., "Scopolamine model of dementia: electroencephalogram findings and cognitive performance," Europ J of Clinical Investigation, 1998, Vol. 28, No. 11, pp. 944-949	

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	C7	HARB ET AL., "Pyrazoles as building blocks in heterocyclic synthesis," Chemical Papers, 2005, Vol. 59, No. 3, pp. 187-159, XP002498868	
	C8	HUNG ET AL., "A high-yielding synthesis of monalkylhydrazines," Journal of Organic Chemistry, 1981, Vol. 46, pp. 5413-5414	
	C9	International Search Report for PCT/EP2004/005477 dated October 27, 2004	
	C10	International Search Report for PCT/EP2004/014872 dated May 19, 2005	
	C11	International Search Report of PCT/EP2003/08850 dated April 16, 2004	
	C12	International Search Report of PCT/EP2003/08923 dated December 15, 2003	
	C13	International Search Report of PCT/EP2003/08979 dated November 25, 2003	
	C14	International Search Report of PCT/EP2004/004412 dated July 14, 2004	
	C15	International Search Report of PCT/EP2004/004455 dated September 17, 2004	
	C16	MARKWALDER, J. A. ET AL., "Synthesis and Biological Evaluation of 1-Aryl-4,5-dihydro-1H-pyrazolo[3,4-d]pyrimidin-4-one Inhibitors of Cyclin-Dependent Kinases," J. of Med Chemistry, 2004, Vol. 47, pp. 5894-5911, XP002399637	
	C17	PODRAZA ET AL., "Reductive Cyclization of Ketoesters Utilizing Sodium Cyanoborohydride: Synthesis of γ - and δ -lactones," J. of Heterocyclic Chem., 1987, Vol. 24, pp. 293	
	C18	PRICKAERTS ET AL., "Effects of two selective phosphodiesterase type 5 inhibitors, sildenafil and vardenafil, on object recognition memory and hippocampal cyclic gmp levels in the rat," Neuroscience, 2002, Vol. 113, pp. 351-361	
	C19	PRICKAERTS ET AL., "Possible role of nitric oxide-cyclic GMP pathway in object recognition memory: Effects of 7-nitroindazole and zaprinast," Europ J of Pharmacology, 1997, Vol. 337, No. 2-3, pp. 125-135	
	C20	REID ET AL., Current Pharmaceutical Design, 1999, Vol. 5, No. 9, pp. 725-735	
	C21	SCHMIDT ET AL., "Pyrazolo[3,4-d] pyrimidin-nucleoside," Chemische Berichte, 1977, Vol. 110, pp. 2445-2455	

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	C22	SKIPPER ET AL., "Structure-Activity Relationships Observed on Screening a Series of Pyrazolopyrimidines against Experimental Neoplasms," Cancer Research, 1957, Vol. 17, pp. 579-596	
	C23	TIMBERLAKE ET AL., "Chemistry of Hydrazo-, Azo-, and Azoxy Groups," Patat, 1975, Chapter 4	
	C24	UGARKAR ET AL., "Synthesis and antiviral/antitumor activities of...", Journal of Medicinal Chemistry, 1984, Vol. 27, No. 8, pp. 1026-1030	
	C25	ULRICH ET AL., "Crystallization," Kirk-Othmer Encyclopedia of Chem. Techn., 2002, 7 pages	
	C26	VAN STAVEREN ET AL., "Cloning and localization of the cGMP-specific phosphodiesterase type 9 in the rat brain," Journal of Neurocytology, 2002, Vol. 31, pp. 729-741	
	C27	WANG ET AL., "Identification and characterization of a new human type 9 cGMP-specific phosphodiesterase variant (PDE9A5) Different tissue distribution and subcellular localization of PDE9A variants," Gene, 2003, Vol. 314, pp. 15-27	
	C28	WEEBER ET AL., "Molecular genetics of human cognition," Molecular Interventions, 2002, Vol. 2, No. 6, pp. 376-391	
	C29	WEST ET AL., "Solid Solutions," Dept of Chem Univ of Aberdeen, 1988, Vol. 18, 3 pages	
	C30	CIBA GEIGY AG, "Nucleosides and oligonucleotides and 2'-ether groups," Data Supplied from the espacenet database, Publication Date: November 30, 1994; English Abstract of EP0 626 387	
	C31	THOMSON INNOVATION RECORD VIEW, Publication Date: August 15, 1995; English Abstract of CH 396 923	

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